

# TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104  
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## PRODUCT EVALUATION

DR-598

Effective Date: March 1, 2013

Reevaluation Date: **July 2013**

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code and the Texas Engineering Practice Act.*

**Series 05 Aluminum Clad Wood French Outswing Hinged Single Patio Doors, Impact Resistant,**  
manufactured by

**Eagle Window and Door**  
**2045 Kerper Blvd**  
**Dubuque, Iowa 52001**  
**Telephone: (800) 324-5354**  
**www.eaglewindow.com**

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 05 Aluminum Clad Wood French Outswing Hinged Single Patio Door	CW-PG60 36 x 95-SHD; Missile Level D	+60 psf / -75 psf
2	Series 05 Aluminum Clad Wood French Outswing Hinged Single Patio Door	CW-PG65 36 x 95-SHD; Missile Level D	± 65 psf

### Product Dimensions:

System	Overall Size	Active Panel Size	Daylight Opening Size
1	36 $\frac{1}{2}$ " x 95 $\frac{5}{16}$ "	34 $\frac{3}{4}$ " x 93 $\frac{1}{4}$ "	25 $\frac{1}{4}$ " x 80 $\frac{1}{2}$ "
2	36 $\frac{1}{2}$ " x 95 $\frac{5}{16}$ "	34 $\frac{3}{4}$ " x 93 $\frac{1}{4}$ "	25 $\frac{1}{4}$ " x 80 $\frac{1}{2}$ "

### Hardware:

#### Hinges:

**Systems 1, 2:** Four (4) required; Secured to the door panel with four (4) No. 12 x 1  $\frac{1}{2}$ " screws.  
Secured to the door frame with two (2) No. 12 x 1  $\frac{1}{2}$ " screws and two (2) No. 12 x 2  $\frac{1}{2}$ " screws.

#### Lock Assembly:

**Systems 1, 2:** 3-point lock system; Located on the active panel

#### Strike Plates:

**Systems 1, 2:** Latch strike; Two (2) required; Secured to the door frame with two (2) No. 7 x  $\frac{5}{8}$ " screws.

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**Hardware (continued):**

**Strike Plates:**

**Systems 1, 2:** Center strike; One (1) required; Secured to the door frame with three (3) No. 7 x  $\frac{5}{8}$ " screws.

**Product Identification (Certification Agency Label on Door):**

System		
1-2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Eagle Window and Door, Inc.
	Product Name	Hinged Patio Door - Outswing
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

**Impact Resistance:**

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the <b>Inland I</b> and <b>Seaward zone</b> . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded

**Installation:** The wall framing shall be minimum Southern Yellow Pine dimension lumber. The door assembly shall be secured to the wall framing using stainless steel installation straps ( $1\frac{1}{4}$ " x 9" x 0.030") along the side jambs. The installation straps are secured to the door frame with four (4) No. 8 x  $\frac{5}{8}$ " screws and are secured to the wall framing with two (2) No. 8 x  $1\frac{1}{2}$ " screws on each side of the strap for a total of four (4) fasteners. Along each side jamb, the installation straps are required a maximum of 6 inches from each corner and a maximum of 21 inches on center. The sill is secured to the foundation with one (1) No. 8 x  $2\frac{1}{2}$ " screw located a maximum of 6 inches from each corner. The door assembly shall also be secured to the wall framing through the hinges with No. 12 x  $2\frac{1}{2}$ " screws. Two (2) screws per hinge are required. All fasteners shall be long enough to penetrate a minimum of  $1\frac{1}{2}$  inches into the wall framing.

**Note:** The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.